



## Park Profile 2004

**Park Contact Information** Grand Canyon National Park  
P.O. Box 129  
Grand Canyon, AZ 86023

**Superintendent:**  
Joseph F. Alston

**Park Information:**  
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**Web Site:**  
[www.nps.gov/grca](http://www.nps.gov/grca)

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### Authorization

- 1882 First unsuccessful attempt to establish a Grand Canyon National Park
- 1893 Designated a “forest reserve” by President Benjamin Harrison (Presidential Proclamation #45)
- 1908 Established as Grand Canyon National Monument by President Theodore Roosevelt (Presidential Proclamation #794)
- 1919 Designation of Grand Canyon National Park by an act of Congress on February 26 (40 Stat 1175).
- 1975 Grand Canyon National Park Enlargement Act an act of Congress on January 3 (88 Stat 2089) (Public Law 93- 620)
- 1979 Designation as a World Heritage Site on October 26

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### Park Statistics

**Park Size:** 1,217,403.32 acres/487,350 hectares  
1,904 sq. miles/4,950 kilometers

#### “The Grand Canyon”

Length	277 river miles/433 km
Width	
Minimum (Marble Canyon)	600 feet/180 meters/18,000cm
Average Rim to Rim	10 miles/16 km
Maximum Rim to Rim	18 miles/28.81 km
Average Depth	1 mile/1.6 km
Rim Elevations	
South Rim	7,000 feet/2100 m/210,000 cm
North Rim	8,000 feet/ 2400 m/240,000 cm
Lake Mead Boundary	1,200 feet/360 m/36,000 cm

#### Volume

Cubic Yards	5.45 trillion
Cubic Meters	4.17 trillion

#### “The Colorado River” (within Grand Canyon National Park)

Length	277 miles/443 km
Average Width:	300 feet/90 m/9,000 cm
Minimum Width	76 feet/23 m/2,280 cm
Average Depth	40 feet/12 m/1,200 cm
Greatest Depth	85 feet/25.5 m/12,550 cm
Average Gradient	7 feet per mile/12 m/1.6 km
Elevation at Phantom Ranch	2,400 feet/720 m/72,000 cm

The Colorado River is 1,450- miles/2,333 km long from its source in the Rocky Mountains of Colorado to the Gulf of California.

Geology

The carving of the Grand Canyon by the Colorado River has taken place over the last six million years, exposing rocks at the bottom of the canyon that are close to two billion years old.

Plant and Animal Life	Birds	373 Species
	Mammals	91 Species
	Fish	17 Species
	Reptiles and Amphibians	56 Species
	Crustaceans	33 Species
	Mollusks	37 Species
	Invertebrates	8,480 (known species)
	Plants (flowering or vascular)	1,561 Species
	Mosses	64 Species
	Lichens	195 Species
	Fungi	167 Species
	Endemic Species	12 Species
	Exotic non- native	159 Species
	Vegetation Formations	6 Species
	(Includes forest and woodland, scrubland, grassland, desertland, wetland, and strand)	
	Extirpated Species	
	Grizzly bear, Black footed ferret, Gray Wolf, Jaguar, Bear Valley sandwort, Colorado Pikeminnow, Bonytail chub, Razorback sucker, Roundtail Chub, Relict leopard frog.	
	Endangered/Threatened	
	Animals: California condor, humpback chub, Southwestern willow flycatcher, razorback sucker, Mexican spotted owl, Kanab ambersnail, Little Colorado River spinedace, Yuma clapper rail and bald eagle. There are over 35 species of former USFWS Category 2 and Species of Special Concern.	
	Plants: The sentry milk vetch (Astragalus cremnophlax var.cremnophylax) is the only endangered plant in the park. There are no listed threatened plant species. Seven species of special concern (formerly category 2 species) are known.	

Archeological Resources

The oldest human artifacts found are nearly 10,000 years old and date to the Paleo- Indian period. There has been continuous use and occupation of the park since that time. Archeological remains from the following culture groups are found in Grand Canyon National Park: Paleo- Indian, Archaic, Basketmaker, Ancestral Puebloan (Kayenta and Virgin branches), Cohonina, Cerbat, Pai, Zuni, Hopi, Navajo, and Euro- American. The next oldest artifacts are between 3,000 and 4,000 years old. The park has recorded over 4,800 archeological resources with an intensive survey of nearly 3% of the park area.

Historic Structures	National Historic Landmarks	
	Individual Buildings	9
	Districts (377 Buildings)	3
	The Grand Canyon Village was listed as a National Historic Landmark District consisting of 257 contributing properties.	
	National Register of Historic Places	
	Individual Structures	9
	Districts (336 structures)	6
	Determinations of eligibility have been received for an additional 44 buildings and structures, and nominations are pending for inclusion on the National Register of Historic Places for nine trails.	
	Determination of eligibility for inclusion on the National Register of Historic Places has been received for 323 archaeological sites along the Colorado River.	
	List of Classified Structures (LCS): 870 listings LCS is inclusive of the National Historic Landmark and National Register programs currently being reviewed.	

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## Climate

### South Rim

Mean High Temperature	85°F/29°C
Mean Low Temperature	18°F/- 7°C
Average Annual Precipitation	26 in./66 m/66 cm

### North Rim

Mean High Temperature	77°F/25°C
Mean Low Temperature	15°F/- 9°C
Average Annual Precipitation	40 in./1 m/100 cm

### Phantom Ranch

Mean High Temperature	105°F/40°C
Mean Low Temperature	38°F/3°C
Average Annual Precipitation	8 in./2 m/20cm

Climate in Grand Canyon National Park is relatively mild. However, low humidity generally allows large temperature differences between day and night. Since precipitation totals are low, year- to- year variations can be large (the passage of a few major storms can have a significant impact on the year's total).

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## Visitation

### Visitation – 2003

	4,464,400
Percentage increase from 2002 of	2.89

### 2003 Shuttle System “Rides”

4,364,776

Year- round shuttle service began March 10, 2000. Implemented in 1974, the shuttle system has provided over 69,681,761 rides since its inception.

### 2003 Backcountry User Nights

90,211

#### Corridor

50,527

#### Other Backcountry Trails

39,684

### 2003 approximate number of backcountry permits issued

11,939

### Colorado River User Days as outlined in Colorado Management Plan (1989)

Commercial	115,500
Noncommercial	54,450

### 2003 Mule Trip Riders

#### Xanterra (South Rim)

Plateau Point	4,045
Phantom Ranch 1 night	3,057
Phantom Ranch 2 nights	137

#### Trail Rides (North Rim), 2002 figures

1 Hour Ride	2,534
3 Hour Ride (1/2 day ride)	3,787
All Day Ride	650

\*Note: Mule services were suspended effective September 22, 2003 for trail maintenance. Plateau Point trips are scheduled to resume March 23, 2004 and Phantom Ranch trips are scheduled to resume on May 1, 2004

### 2003 Train Passengers

190,863

### Commercial Air Tour Passengers (Industry Figures)

642,000\*

### Commercial Air Tour Flights (Industry Figures)

90,000\*

\*Note: Commercial air tour operations reported by the industry to the FAA between May1, 1997 and April 30, 1998.

Approximately forty percent of the park's visitors are foreign, from over 110 countries.

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## Development

Buildings	
National Park Service	628
Concessionaire	524
Total	1,152
Trails	
Maintained	33 miles/52.8 km
Total	500 miles/800 km
Roads	291 miles/392km
Sewage Treatment Facilities	4
Inner Transcanyon Pipeline	23 miles/36.8km
Water from Roaring Springs to the North and South Rims	
Lodging Units	
South Rim	917
North Rim	203
Phantom Ranch	15
Recreational Vehicle Sites	70
Rim campsites	
Mather	308 family, 7 group
Desert View	50 family
North Rim	83 family, 4 group
Tuweep	11 family, 1 group
Visitor Facilities:	
Visitor center/museums, backcountry office, historic structures, scenic overlooks, rim trails, overnight lodging, trailer sites, dump stations, tent campsites, restaurants, cocktail lounges, general stores, gift shops, bookstores, kennel, post office, bank, service stations, dentist, medical clinic, showers and laundry. Some facilities may operate seasonally.	
Visitor Services:	
Educational/environmental exhibits, ranger programs and hikes, Junior Ranger program, curriculum- based education programs, self- guided hikes, publication sales, backpacking, hiking, camping, picnicking, mule riding, guided bus tours, air tours (originating outside the park), shuttle bus service, river trips, bicycling, auto touring, fishing, church services, film processing, law enforcement, medical services, ambulance, fire protection, and taxi.	
Concessioners:	
In 2002, the last year for which complete figures are available, 22 concessioners grossed approximately \$118.8 million and paid franchise and other fees of approximately \$6.9 million.	

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## Law Enforcement Activities

Law Enforcement Activities – 2003	
Part I Offenses Investigated	194
Part II Offenses Reported	900
Law Enforcement Jurisdiction	Concurrent
Emergency Medical Services – 2003	
Emergency Medical Service Response	849
Deaths	6
Search and Rescue Incidents – 2003	296
Fire – 2003	
Structural Fire Responses	63

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**Park Administration****FY 2003 Funding**

ONPS Base Operating Appropriation (ONPS, Operation of the National Park System)	\$18,580,000
SEPAS Project Funding (SEPAS, Special Emphasis Program Allocation)	\$1,607,168
Equipment Replacement	\$155,000
Firepro Base	\$1,907,294

**80% Recreation Fee Demonstration Revenue Returned**

(FY- 97)	\$5,878, 100
(FY- 98)	\$17,576,200
(FY- 99)	\$19,083,000
(FY- 00)	\$18,952,900
(FY- 01)	\$17,772,656
(FY- 02)	\$15,133,000
(FY- 03)	\$12,646,480
Total (FY 97- FY 03)	\$107, 042, 336

**Federal Lands Highway Program****\$1,189,061****Income**

Utilities Reimbursable	\$4,532,361.19
Quarters	\$1,193,880.98
Concession Franchise Fees – 80% Portion (2003)	\$3,591,033.00
Donations (monetary)	\$300,891.67
Other (reimbursable, refundable, etc.)	\$1,617,125.30

**National Park Service Staffing – Fiscal Year 2003****FTE (Full Time Equivalency) Information and Distribution:**

Superintendent's Office	13
Project Management Team	12
Administration	39
Science Center	66
Concessions	7
North Rim	19
Maintenance	135
Interpretation	39
Protection	109
Fire	23

**Total FY 2003 FTE Distributed Parkwide****462**

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**Park Neighbors & Cooperators**

**Neighbors**

North:

Arizona Strip Field Office - BLM  
North Kaibab Ranger District - USFS, Kaibab National Forest, AZ  
Kanab Field Office - BLM, Southern UT  
Pipe Spring National Monument - NPS, AZ  
Coconino County, AZ  
Zion National Park - NPS, UT  
Mohave County, AZ  
Washington County, UT  
Bryce Canyon National Par k - NPS, UT  
Garfield County, UT  
Grand Staircase- Escalante National Monument - BLM, UT  
Vermilion Cliffs National Monument - BLM, AZ  
Kaibab Band of Paiute Indians  
All communities from Marble Canyon to St. George, UT

East:

Glen Canyon National Recreation Area- NPS, AZ/UT  
Navajo Nation, AZ

South:

Tusayan Ranger District - USFS, Kaibab National Forest, AZ

West:

Lake Mead National Recreation Area - NPS, NV/AZ  
Havasupai Tribe, AZ  
Hualapai Tribe, AZ  
Grand Canyon- Parashant National Monument - BLM/NPS, AZ

**Other Tribes with Interest in the Grand Canyon:**

San Juan Southern Utah Paiute, UT  
Hopi Tribe, AZ  
Pueblo of Zuni, NM

**Congressional Representatives Arizona:**

Senator John McCain  
Senator Jon Kyl  
First District Representative Rick Renzi

**South Rim/North Rim Resident Statistics:**

Based on US Census conducted in 2000

Grand Canyon Village	1,460
Tusayan (South of Grand Canyon Village)	562
North Rim (open mid- May to mid- October)	350- 400 (approx)